AMENDMENT

In the Claims:

A. **Kindly cancel Claim 4, without prejudice.**

B. **Kindly amend Claims 1, 2, 5, 12, and 14, as follows.**

1. **(currently amended)** A method of fabricating a semiconductor device, having a nitride/high-k material/nitride gate dielectric stack, comprising:
initiating formation of the nitride/high-k material/nitride gate dielectric stack by:
depositing a first ultra-thin nitride film on a semiconductor substrate,
wherein the first ultra-thin nitride film is deposited by using an atomic layer deposition (ALD) technique;
depositing a high-k material on the first ultra-thin nitride film,
wherein the high-k material comprises a thin metal film, and
wherein the thin metal film comprises at least one material selected from a group consisting essentially of zirconium (Zr), hafnium (Hf), and titanium (Ti); and
depositing a second ultra-thin nitride film on the high-k material,
thereby forming a sandwich structure, wherein the second ultra-thin nitride film is deposited using an atomic layer deposition (ALD) technique;
completing formation of the nitride/high-k material/nitride gate dielectric stack from the sandwich structure; and
completing fabrication of the device.

2. **(currently amended)** A method as recited in claim 1, wherein the substrate comprises a material selected from a group consisting of a silicon wafer [or] and a silicon-on-insulator (SOI) wafer.

3. **(originally filed)** A method as recited in claim 1,
wherein the first ultra-thin nitride film comprises silicon nitride (Si_3N_4), and
wherein the first ultra-thin nitride film has a thickness in a range of 1 to 2 atomic layer(s).

4. **(canceled)**

5. **(currently amended)** A method as recited in claim 1, wherein the thin metal film further comprises [at least one metal selected from a group consisting essentially of zirconium (Zr), hafnium (Hf), titanium (Ti), and] tantalum (Ta).

6. **(originally filed)** A method as recited in claim 1, wherein the thin metal film comprises a metal oxide.

7. **(previously amended)** A method as recited in claim 1,
wherein the second ultra-thin nitride film comprises silicon nitride (Si_3N_4), and
wherein the second ultra-thin nitride film has a thickness in a range of 1 to 2 atomic layer(s).

8. **(currently amended)** A method as recited in claim 1, wherein completing formation of the nitride/high-k material/nitride gate dielectric stack from the sandwich structure comprises:
depositing a thick gate material on the second ultra-thin nitride film;
patterning the thick gate material, thereby forming a gate electrode; and
etching portions of the sandwich structure uncovered by the gate electrode, thereby completing formation of the nitride/high-k material/nitride gate dielectric stack.

9. **(originally filed)** A method as recited in claim 1, wherein completing fabrication of the device comprises forming of a MOSFET structure comprising the gate dielectric stack.

10. **(originally filed)** A method as recited in claim 8,
wherein the thick gate material comprises a material selected from a group consisting essentially of polysilicon (poly-Si) and polysilicon-germanium (poly-SiGe), and
wherein the thick gate material is patterned using a material such as photoresist.

11. **(originally filed)** A method as recited in claim 1, wherein completing fabrication of the device comprises:

forming a source/drain structure in the substrate and flanking the gate dielectric stack;

forming at least one spacer on at least one sidewall of the gate dielectric stack; and

silicidizing a shallow source/drain region as well as the high-k gate stack, thereby forming a source/drain silicide in a shallow source/drain region of the substrate and a gate silicide on the gate dielectric stack.

12. **(currently amended)** A method of fabricating a semiconductor device, having a nitride/high-k material/nitride gate dielectric stack, comprising:

initiating formation of the nitride/high-k material/nitride gate dielectric stack by:

depositing a first ultra-thin nitride film on a semiconductor substrate,

wherein the first ultra-thin nitride film is deposited by using an atomic layer deposition (ALD) technique, and

wherein the substrate comprises a material selected from a group consisting of a silicon wafer [or] and a silicon-on-insulator (SOI) wafer;

depositing a high-k material on the first ultra-thin nitride film,

wherein the high-k material comprises a thin metal film, and

wherein the thin metal film comprises at least one material selected from a group consisting essentially of zirconium (Zr), hafnium (Hf), and titanium (Ti); and

depositing a second ultra-thin nitride film on the high-k material,

thereby forming a sandwich structure, wherein the second ultra-thin nitride film is deposited by using an atomic layer deposition (ALD) technique;

completing formation of the nitride/high-k material/nitride gate dielectric stack from the sandwich structure; and

completing fabrication of the device.

13. **(previously amended)** A method as recited in claim 12,
wherein the first ultra-thin nitride film comprises silicon nitride (Si_3N_4), and
wherein the first ultra-thin nitride film has a thickness in a range of 1 to 2 atomic layer(s).

14. **(currently amended)** A method as recited in claim 13,
[wherein the high-k material comprises a thin metal film,]
wherein the thin metal film further comprises [at least one metal selected from a group consisting essentially of zirconium (Zr), hafnium (Hf), titanium (Ti), and] tantalum (Ta), and
wherein the thin metal film further comprises a metal oxide.

15. **(previously amended)** A method as recited in claim 14,
wherein the second ultra-thin nitride film comprises silicon nitride (Si_3N_4), and
wherein the second ultra-thin nitride film has a thickness in a range of 1 to 2 atomic layer(s).

16. **(currently amended)** A method as recited in claim 15, wherein completing formation of the nitride/high-k material/nitride gate dielectric stack from the sandwich structure comprises:
depositing a thick gate material on the second ultra-thin nitride film;
patterning the thick gate material, thereby forming a gate electrode; and
etching portions of the sandwich structure uncovered by the gate electrode, thereby completing formation of the nitride/high-k material/nitride gate dielectric stack.

17. **(originally filed)** A method as recited in claim 16, wherein completing fabrication of the device comprises forming of a MOSFET structure comprising the gate dielectric stack.

18. **(originally filed)** A method as recited in claim 17,
wherein the thick gate material comprises a material selected from a group consisting essentially of polysilicon (poly-Si) and polysilicon-germanium (poly-SiGe), and
wherein the thick gate material is patterned using a material such as photoresist.

19. **(originally filed)** A method as recited in claim 18, wherein completing fabrication of the device comprises:

forming a source/drain structure in the substrate and flanking the gate dielectric stack;

forming at least one spacer on at least one sidewall of the gate dielectric stack; and

silicidizing a shallow source/drain region as well as the high-k gate stack, thereby forming a source/drain silicide in a shallow source/drain region of the substrate and a gate silicide on the gate dielectric stack.

20. **(previously canceled)**